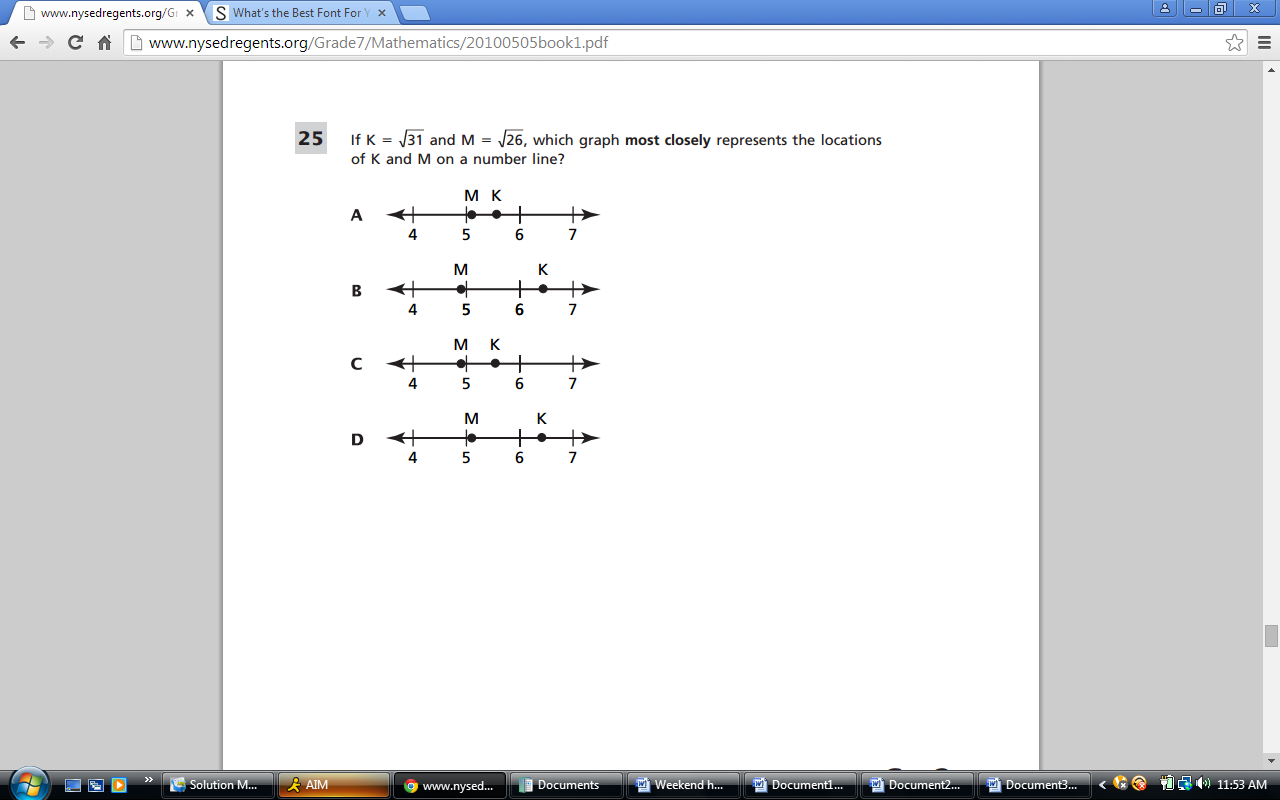
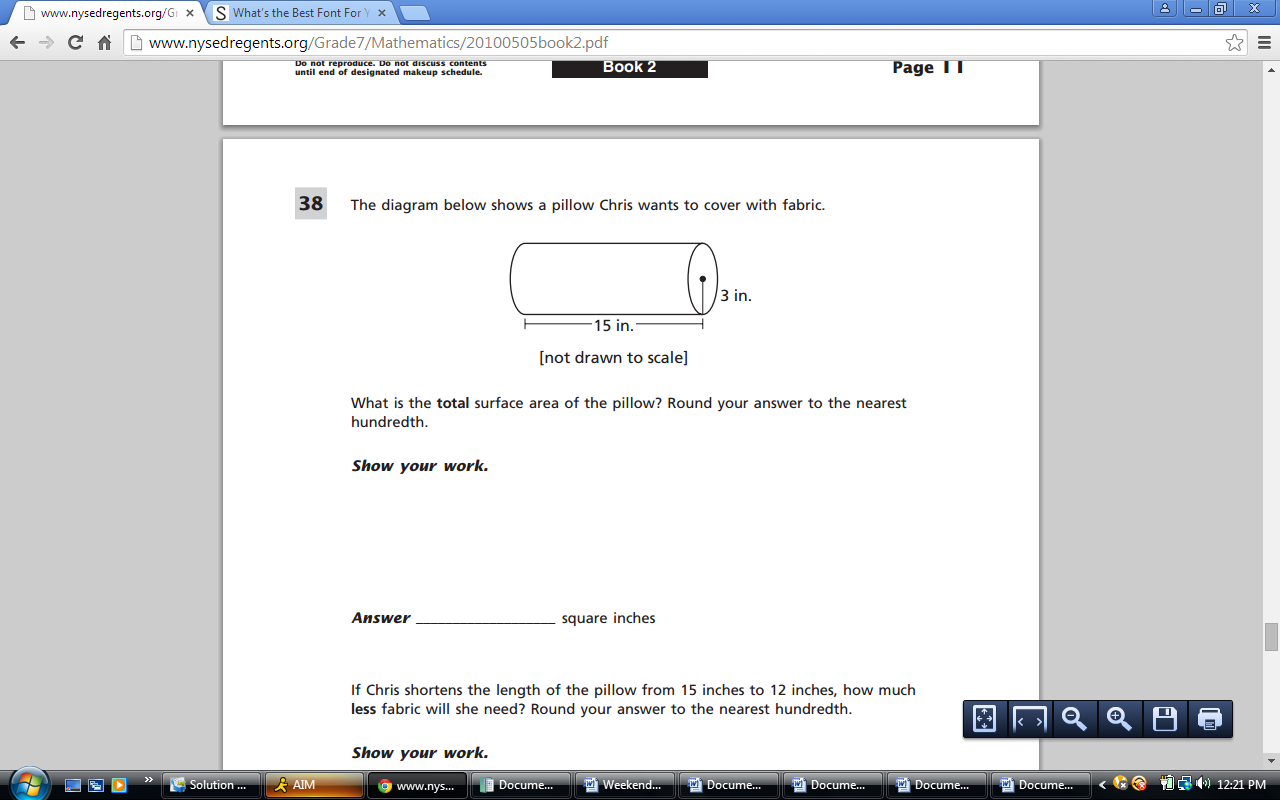
**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8th Grade Mathematics**

**The following problems are due Monday, October 19th. You may use any resource to solve these problems except if that resource is a person. These are standards that you have been taught in previous years. On Thursday of this week I will set aside time to help you with any questions you may have in solving these problems. YOU MUST SHOW ALL WORK!**

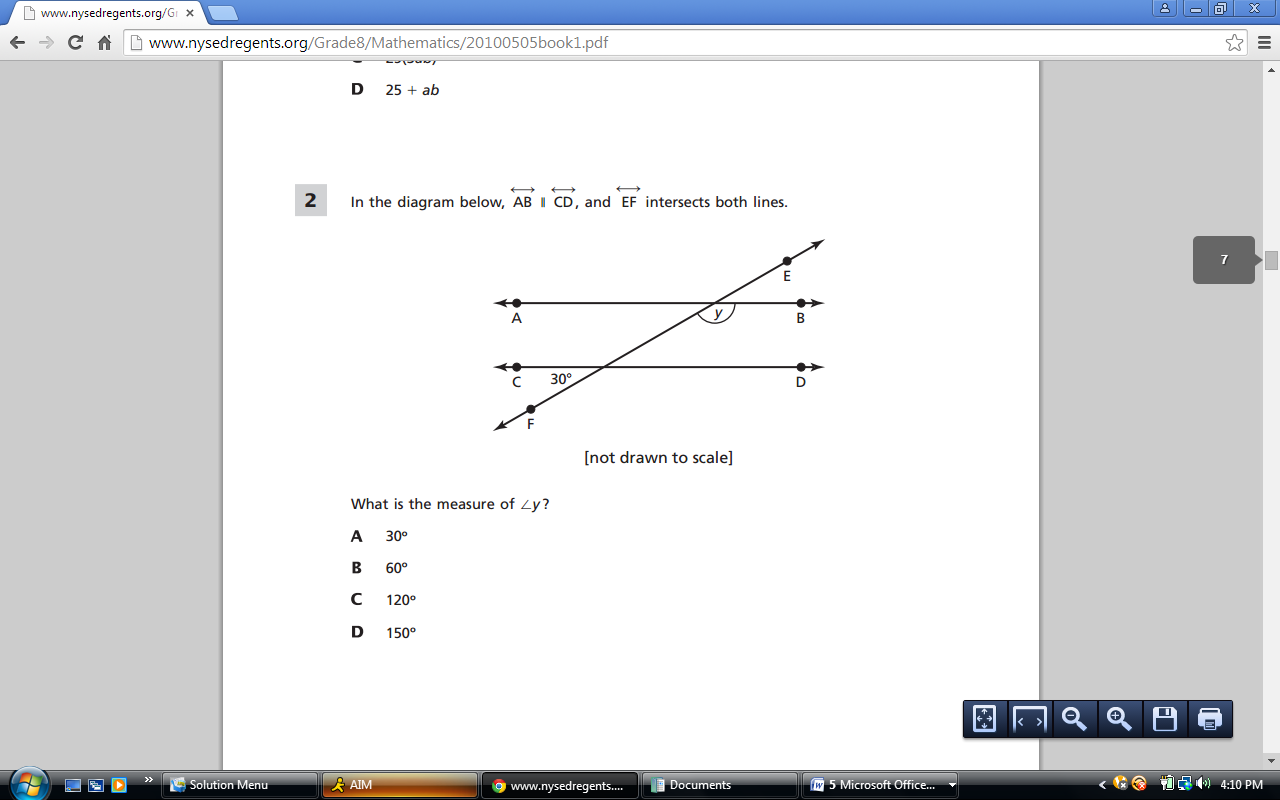
1.) If K =  and M = , which graph most closely represents the locations of K and M on a number line?



2.) The diagram below shows a pillow Mrs. Carlos wants to cover with fabric for Mr. Carlos. ***What is the total surface area of the pillow?*** Round your answer to the nearest hundredth. (Use a calculator!)

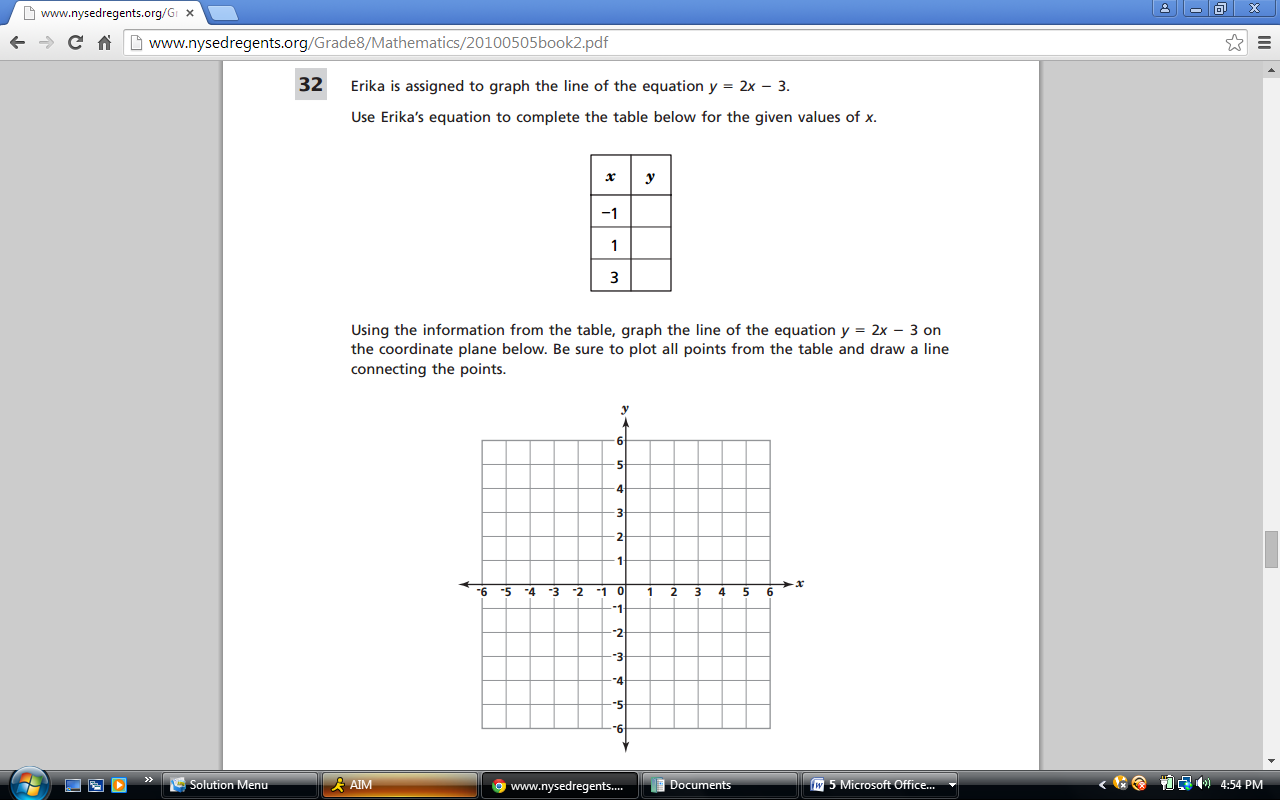


3.) If Mrs. Carlos thought the pillow was too big for Mr. Carlos’s head and wanted to reduce the length of the pillow from 15 inches to 12 inches, ***how much less fabric will she need?*** Round your answer to the nearest hundredth.

****4.) In the diagram below, AB ǁ CD, and EF intersects both lines. What is the measure of 

5.) Solve for *x.* 

6.) What is the greatest common factor of  and 

7.) Given the line , complete the table below for the given values of *x.* Then using the information from the table, graph the line on the coordinate plane below. Make sure you plot all the points from the table and draw a line connecting the points.

